

07/09

#10



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ENTERED

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/903,508A

DATE: 07/10/2002
TIME: 13:19:41

Input Set : A:\1533_0830003 sub seqlist.ST25.txt
Output Set: N:\CRF3\07102002\I903508A.raw

3 <110> APPLICANT: Abbas, Charles
4 Voronovsky, Andrii
5 Kshanovska, Barbara
6 Fayura, Liubov
7 Sibirna, Kateryna
8 Sibirny, Andrii
9 Dmytruk, Kostiantyn
11 <120> TITLE OF INVENTION: Transformation Systems for Flavinogenic Yeast
13 <130> FILE REFERENCE: 1533.0830003
15 <140> CURRENT APPLICATION NUMBER: US 09/903,508A
C--> 16 <141> CURRENT FILING DATE: 2002-06-26
18 <150> PRIOR APPLICATION NUMBER: US 60/218,244
19 <151> PRIOR FILING DATE: 2000-07-14
21 <150> PRIOR APPLICATION NUMBER: US 60/288,491
22 <151> PRIOR FILING DATE: 2001-05-04
24 <150> PRIOR APPLICATION NUMBER: US 60/290,667
25 <151> PRIOR FILING DATE: 2001-05-15
27 <160> NUMBER OF SEQ ID NOS: 3
29 <170> SOFTWARE: PatentIn version 3.1
31 <210> SEQ ID NO: 1
32 <211> LENGTH: 1493
33 <212> TYPE: DNA
34 <213> ORGANISM: Candida famata
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40 <223> OTHER INFORMATION: May be any nucleotide
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49 <220> FEATURE:
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52 <223> OTHER INFORMATION: May be any nucleotide
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57 <222> LOCATION: (1000)..(1000)
58 <223> OTHER INFORMATION: May be any nucleotide
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62 <221> NAME/KEY: misc_feature
63 <222> LOCATION: (1084)..(1084)
64 <223> OTHER INFORMATION: May be any nucleotide

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67 <220> FEATURE:
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69 <222> LOCATION: (1149)..(1149)
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100 <223> OTHER INFORMATION: May be any nucleotide
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105 <222> LOCATION: (1268)..(1268)
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117 <222> LOCATION: (1318)..(1318)
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135 <222> LOCATION: (1379)..(1379)
136 <223> OTHER INFORMATION: May be any nucleotide
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206 <221> NAME/KEY: misc_feature
207 <222> LOCATION: (1472)..(1472)
208 <223> OTHER INFORMATION: May be any nucleotide
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212 <221> NAME/KEY: misc_feature

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214 <223> OTHER INFORMATION: May be any nucleotide
217 <400> SEQUENCE: 1

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220	ctgaatattt tttaacgt tttaataaa ttgtcaatc attaagaaa	aaccacaaat	120
222	gttttccaa aatttaaatt gattttttag aaagtcctaa aaaatagaat	cataccaaat	180
224	aaagaacaac ttaaagtac tatgacaaat tcagaataac aatcgatg	tccgttcatg	240
226	gataaagctg caaagtaca agcaaggcta actaagatcc tctagggg	tcctctagag	300
228	tcgactacgt cgtaaggcc gttctgaca gatgaaaatt cttgaggaa	cttcaccat	360
230	tatggaaat gttcaagaa ggtattgact taaactccat	caaatggtca ggtcattgag	420
232	tgtttttat ttgttgtatt ttgttttt tagagaaaat	cctccaatat ataaattagg	480
234	aatcatagtt tcatgattt tagagaaaat	cctccaatat ataaattagg aatcatagtt	540
W--> 236	tcatgatttt ctgttacacc taacttttg tggngccc	tcctccttgt caatattaaat	600
W--> 238	ctgttacacc taacttttg tggngccc	tcctccttgt caatattaaat gttaaagtgc	660
240	aattctttt ctttatcacg ttgagccatt agtataatt	gttaaagtgc aattctttt	720
242	ctttatcacg ttgagccatt agtataatt	tatccctta catcctcctt	780
244	tttctccttc ttgataaaatg tgcttacctg tattccctta	catcctcctt tttctccttc	840
246	ttgataaaatg tatgttagatt gcgtatatacg ttctgtctac	cctatgaaca tattccattt	900
248	tatgttagatt gcgtatatacg ttctgtctac cctatgaaca	tattccattt tgtaatttcg	960
W--> 250	tgtcgnttct attatgaatt tcatttataaa aggttatgt	tgtaatttcg ggcgtttcta	1020
252	ttatgaattt catttataaa gtttatgtcc aatatacataa	aaaaagagaaa tcttttaag	1080
W--> 254	caanggattt cttaactcaa atatcataaa aaaagagaat	ctttttaagc aagggatttt	1140
W--> 256	cttaacttnt tcggggacgc atccccgtt cggnggactg	gtggaccctt aaatctnttc	1200
W--> 258	ggcgacagca tcccgaacttc ggnngnactg tgaaacccct	aaatcccagt ntgatcctgc	1260
W--> 260	ttccaaanct ttactggtn ttcatggcc taccctcagtt	ctgaacctgc atccaaanct	1320
W--> 262	tttactgctc ttcaaggcgt tacctntca ggcaggtcaa	tgacaatca catcntgcnc	1380
W--> 264	anacnaaaaaa nggctttca gcaggtcaan gcaatttcac	atcntgcnc aaaananagt	1440
W--> 266	ggcgatnggg tgacctntnt ttggcaacga tngggtgacc	tatntttgca aac	1493
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270	<211> LENGTH: 414		
271	<212> TYPE: DNA		
272	<213> ORGANISM: Pichia guilliermondii		
274	<400> SEQUENCE: 2		
275	tatgcacatt cgcacgccga ggtgcagcgt ttaggcgcgg	ctcaacggaa gccaacggcc	60
277	gccacaaatt gtccggaaag tcgcccac ac tgatccactg	gtaccacagc cccataagaa	120
279	ccccctttaa tattaaaaac cgttctttag ccactttga	tcacattgtt tgcaagccccc	180
281	cgttgctgcc atccaaacac cacgcgtccc ccgcacccctt	ttacggtgc cactgcattg	240
283	gaatttgcattt aacacagcct cacgaagtgg attaattttt	agagcactca agtcatcatg	300
285	ctgcaatctc tgcatcatga aatgactccc gttgatacag	ggaactcaga ccgcaagcgg	360
287	cgaagagtca caagagcgtg tgatgtgtgt cgactctaga	ggatccccgg gtac	414
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298	<223> OTHER INFORMATION: May be any nucleotide		
301	<400> SEQUENCE: 3		

RAW SEQUENCE LISTING
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302	tgattacgaa ttcgagctcg gtacccgggg atcatgaatg ctagtcttt tacactgaat	60
304	attttttaa cgattttta ataatttgc aatcatttaa gaaaaaccac aaatggttt	120
306	ccaaaattta aattgatttt ttagaaagtc ctaaaaaata gaatcatacc aaataaagaa	180
308	caacttaaag tcactatgac aaattcagaa atacaatcgt atgatccgtt catggataaa	240
310	gctgcaaagt cacaagcaag gctaactaag atcctctaga gtcgactacg tcgttaaggc	300
312	cgttctgac agagaaaaat tcttgaggga actttcacca ttatggaaa tggccaaga	360
W--> 314	aggttattgac ttaaactcca tcaaatggtc aggtcattga gtgtttttta tttgntgtat	420
316	ttttttttt ttagagaaaa tcctccaata tataaattag gaatcatagt ttcatgattt	480
318	tctgtta	487

RAW SEQUENCE LISTING ERROR SUMMARY
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 576,626,966,1000,1084,1149,1174,1197,1223,1226,1251,1268
Seq#:1; N Pos. 1280,1318,1347,1375,1379,1382,1385,1391,1410,1424,1428,1435
Seq#:1; N Pos. 1437,1447,1457,1459,1472,1484
Seq#:3; N Pos. 415

VERIFICATION SUMMARY

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Input Set : A:\1533_0830003 sub seqlist.ST25.txt
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L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:236 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:540
L:238 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:600
L:250 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:960
L:254 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:1080
L:256 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:1140
L:258 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:1200
L:260 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:1260
L:262 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:1320
L:264 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:1380
L:266 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:1440
L:314 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:360